

Notice of Allowability

Application No.

10/824,470

Examiner

Allen T. Cao

Applicant(s)

HSU ET AL.

Art Unit

2627

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4/15/04.
2. ☒ The allowed claim(s) is/are 1-6.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____



Allen Cao
Primary Examiner

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1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. The application has been amended as follows:

a) The term —an—has been inserted in front of the phrase “optical disk drive” in claim 1, line 1.

b) The term “an” in front of the phrase “optical disk drive” in claim 2, line 14 has been changed to —said—because the “optical disk drive” has been introduced previously.

3. Claims 1-6 are allowed.

4. The following is an examiner's statement of reasons for allowance:

The prior art of record neither discloses nor suggests a structure for quickly installing and removing an optical disk drive having the combination structural limitations including a main frame; a transversal board; a sliding channel disposed on said transversal board; an embedding member, disposed on said sliding channel of said transversal board, and both edges of said embedding member being extended outward and having a hook thereon, one end of each said hooks being extended upward to cover said transversal board, such that said embedding member being capable of sliding in said sliding channel; said embedding member having a downwardly extended handle at an end away from the middle of said opening and a first embedding latch and a second embedding latch symmetrically disposed on the other end, wherein said first

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embedding latch is in a cylinder shape and said second embedding latch is of a trapezoid cross section; said main frame respectively having a first transversal sliding channel and a second transversal sliding channel at the positions corresponding to said first and second embedding latches, and said first and second embedding latches respectively disposed in said first and second transversal sliding channels and partially exposed from said transversal sliding channels, so that when said handle being pulled, said first and second embedding latches can slide in said first and second transversal sliding channels respectively; a reciprocating spring disposed on said embedding member, having one end coupled to said embedding member and another end coupled to said main frame, so that after said embedding member is pulled, said embedding member will return to its original position due to the resilience of said spring; and an optical disk drive frame, having a vertical wall on one side and a side bracket on the other side, and said optical disk drive frame at the ends corresponding to said first and second embedding latches are symmetrically stamped with a transversal first side plate and a L-shaped second side plate', thereby when said optical disk drive being mounted onto said optical disk drive frame and placed into said electronic device through said opening of said main frame, said optical disk drive frame being fixed onto said electronic device while said second embedding latch being embedded into said L-shaped second side plate, or said optical disk drive frame being detached from said electronic device while said first embedding latch being pressed against said transversal first side plate, as set forth in claim 1.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Allen T. Cao whose telephone number is (571) 272-7569. The examiner can normally be reached on Mon - Thurs (7:30 - 6:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoa T. Nguyen can be reached on (571) 272-7579. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Allen Cao
Primary Examiner

AC
August 9, 2006